

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X

REGISTERED CIVIL ENGINEER
DATE X

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
No. X
Exp. X
CIVIL
STATE OF CALIFORNIA

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GENERAL NOTES

- Class 45 Concrete Piles were used for the design.
- Pile batter shown are 1:3.
- Minimum distance between center of pile and edge of footing is 1'-6".
- Reduction factors:
STATIC: $\phi = 0.75$
SEISMIC: $\phi = 1.0$
- Lateral resistance of each pile:
STATIC: = 30 kips
SEISMIC: = 40 kips
- Maximum spacing between piles is shown in the table. Reduce to suit the length of footing.
- Minimum distance between any two piles is 3'-0".
- Limit of no splicing for rebars = H/3.
- For soundwall and retaining wall architectural finish or texture, see details elsewhere in project plans.
- For details not shown and drainage notes, see B3-8 sheet.
- Increasing stem thickness not permitted.
- Shift (a) bars, (b) bars, and (c) bars as required to clear formed hole for tiedown.
- Maximum distance from tiedown to edge of footing = 0.4 (S).
- For Soundwall & Barrier reinforcement, see "Soundwall Masonry Block" Sheets in Standard Plans.

A* Offset = 1/2 in per 10 ft of wall stem height

WALL OFFSET

No Scale
Values for offsetting forms to be determined by engineer

Soundwall reinforcement see Note 14.
1" clr
1" clr
Stem thickness @ top
#5 @ 12
135° hooks
#5 @ 15
#5 @ 8
3'-0"
Batter backface for H ≥ 24 only

DETAIL A
WITHOUT HAUNCH

No Scale

Ret Wall LOL
M
N
Row 1
Row 2

CONFIGURATION I

No Scale

Ret Wall LOL
M
N
3'-0"
3'-0"
Row 1
Row 2
Row 3
Row 4

CONFIGURATION II

No Scale

(b) Bars
1/2 Spacing
Spacing
(a) Bars
Spacing
Spacing

DETAIL B

No Scale

See "DETAIL A" for without haunch
Concrete Barrier Type 736A (Mod)
Architectural Finish or Architectural Texture
#5 @ 12
#5 @ 15
(b) Bar
R=9"
X
#5 @ 30
(a) Bar
R=9"
X
Tiedown
2'-0"
6"
8"
8"
Const Joint
2'-0"
Footing Cover
Note 8
#5 tot 8
(f) Bars
45 db for #9, #10, #11
30 db for #7
X
#5 tot 8
(d) Bars
(e) Bars equal spacing
(h) Bars, tot 8, cont
(g) Bars
M
U
N
B
C
W
Layout line
Design H
Soundwall 16'-0" max
1'-6"
1'-9"

PILE FOOTING SECTION

No Scale

STANDARD DRAWING		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. X	X				
FILE NO. xs14-410-2x	APPROVAL DATE July 2011					POST MILE X	RETAINING WALL TYPE 7SWBP - DETAILS NO. 2				
DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. (02-02-11))		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: X PROJECT NUMBER & PHASE: X		CONTRACT NO.: X		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET X	OF X

DATE PLOTTED => \$TIME
USERNAME => \$USER
FILE => \$REQUEST